



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.1715
Job Sheet 202493-A



Part No: 647.1715

Job Qty: 4 pcs

Part Name: Plate



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 12/19/19

Job Tracking No:

Due Date: 12/30/19

Created By: Linda Lacelle

Type: Stock

Description:

Note: DWG REV E IPP REV:A NEW ISSUE 13-07-18 JLM VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
150	QC 5	4 pcs	12/30/19	12/30/19	0.00	0.00	QC 5 - 10	
							QC 5 - 12	
							QC 5 - 17	
							QC 5 - 18	
							QC 5 - 19	
							QC 5 - 22	
							QC 5 - 24	
							QC 5 - 3	
							QC 5 - 43	
							QC 5 - 49	
							QC 5 - 51	
							QC 5 - 58	
							QC 5 - 68	
							QC 5 - 9	
							QC 5 - 50	
							QC 5 - 30	
							QC 5 - 40	
							QC 5 - 61	
							QC 5 - 81	
160	Outsource - 4 - Anodize	4 pcs	12/30/19	12/30/19			ATG001-VC 8	
170	Packaging 2-1 - Receive - B4B	4 pcs	12/30/19	12/30/19	0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	



Container No: S242526



Part: 647.1715

Job No: 202493-A

Serial No/Batch: S229992

Revision: Rev E

Inspector:

Exp Date:

Instructions: Various STC's

Date: 12/19/19

Dart Aerospace Ltd.
1270 Aberdeen Street
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CANADA
TEL : 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

DEC 19 2019

				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
180 QC 6	4 pcs	12/30/19	0.00 0.00	QC 6 - 9	
				QC 6 - 68	
				QC 6 - 61	
				QC 6 - 40	DEC 19 2019
				QC 6 - 81	
210 Packaging 3-1 - Stock - B4B	4 pcs	12/30/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	DAS
				Packaging 3 - 22 - B4B	41 DEC 19 2019
				Packaging 3 - 23 - B4B	9-89
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	

				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
220	QC 21 - SA	4 pcs	12/30/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
					QC 21 - SA - 53
Part Op 150 - (QC5- Inspect part completeness to step on W/O) Descriptions: 160 - (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG : _____ Hard Black Anodize and Prime as per Dwg 647.1700 Rev. E 170 - (Receive & Inspect for Damage & Mat'l Certs) 180 - (QC6- All purchased or subcontracted products) 210 - (Identify as per dwg & Stock Location: <u>666044</u>) ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV*** 220 - (QC21- Final Inspection - Work Order Release)					
Job BOM					
Job BOM records could not be found.					
Job Allocations					
Job Allocations could not be found.					

Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Plate	0.323Inches + 0.006 - 0.001	0.329 0.322	Diameter	
2	Plate	0.201Inches + 0.005 - 0.001	0.206 0.200	Diameter	
3	Plate	0.098Inches + 0.004 - 0.001	0.102 0.097	Diameter	
4	Plate	7.094Inches ± 0.010	7.104 7.084		

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Canada

Tel (613) 632-5200
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647.1715
Job Sheet 202493



Part No: 647.1715

Job Qty: 20 pcs

Part Name: Plate



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/29/19

Job Tracking No:

Due Date: 11/25/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV E IPP REV:A NEW ISSUE 13-07-18 JLM VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Waterjet - Flow - 1	20 pcs		11/25/19	0.17	2.67	Waterjet - Flow		2019/11/08
120	QC 2	20 pcs		11/25/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		2019/11/08
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		
							QC 2 - 64		

130 QC 8	20 pcs	11/25/19	0.00 0.00	QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
				QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
				QC 8 - 76	
				QC 8 - 61	
140 Small Fab - Brake NC - B4B	20 pcs	11/25/19	0.25 3.33	Small Fab - Brake - 1 - B4B	DAS 40 NOV 13 2019 9-89
				Small Fab - Brake - 2 - B4B	
				Small Fab - Brake - 3 - B4B	
150 QC 5	20 pcs	11/25/19	0.00 0.00	QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	
				QC 5 - 24	
				QC 5 - 3	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	
				QC 5 - 9	
				QC 5 - 50	
				QC 5 - 30	
				QC 5 - 40	DAS 40 DEC 02 2019 9-89
				QC 5 - 61	
				QC 5 - 81	
160 Outsource - 4 - Anodize	20 pcs	11/25/19		ATG001-VC	8 12/2019-12-04
170 Packaging 2-1 - Receive -	20	11/25/19	0.00 0.00	Packaging 2 - 1 - B4B	

B4B	pcs				Packaging 2 - 2 - B4B	
					Packaging 2 - 3 - B4B	
					Packaging 2 - 5 - B4B	
					Packaging 2 - 4 - B4B	
					Packaging 2 - 6 - B4B	
					Packaging 2 - 7 - B4B	
					Packaging 2 - 8 - B4B	
					Packaging 2 - 9 - B4B	
					Packaging 2 - 10 - B4B	
					Packaging 2 - 11 - B4B	
					Packaging 2 - 12 - B4B	
					Packaging 2 - 13 - B4B	
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	
					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
					Packaging 2 - 23 - B4B	
					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	
					Packaging 2 - 27 - B4B	
					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
					180 QC 6	20 pcs
QC 6 - 68						
QC 6 - 61						
QC 6 - 40						
QC 6 - 81						
210 Packaging 3-1 - Stock - B4B	20 pcs	11/25/19	0.00	0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Plex 10/29/19 2:55 PM Dart.lajeunesse.marie	

					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
220 QC 21 - SA	20 pcs	11/25/19	0.00 0.00		QC 21 - SA - 21	
					QC 21 - SA - 70	
					QC 21 - SA - 53	

Part Op 110 - 1-Cut as per Dwg
Descriptions: 120 - (QC2- Inspect parts off machine FAI/FAIB)
130 - (QC8- Inspect parts - second check)
140 - (Form as per dwg) TRACE LINE FOR BENDING WITH DT9878 T1/ T2
150 - (QC5- Inspect part completeness to step on W/O)
160 - (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG : 45300 Hard Black Anodize and Prime as per Dwg 647.1700 Rev. E
170 - (Receive & Inspect for Damage & Mat'l Certs)
180 - (QC6- All purchased or subcontracted products)
210 - (Identify as per dwg & Stock Location: _____) ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***
220 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6S.160	7075-T6 Sheet .160	21.9200 sf (1.096 ea)	110-Waterjet - Flow - 1	51021605 5193023

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Waterjet - Flow - 1	M7075T6S.160	22	42	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Plate	0.323Inches + 0.006 - 0.001	0.329 0.322	Diameter	
2	Plate	0.201Inches + 0.005 - 0.001	0.206 0.200	Diameter	
3	Plate	0.098Inches + 0.004 - 0.001	0.102 0.097	Diameter	
4	Plate	7.094Inches ± 0.010	7.104 7.084		

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		DEPARTMENT/PROCESS Skid-tube ☐ Cross tube ☐ Eng. (Non-AW) ☐ Machining ☐ Small Fab ☐ Prod. Eng. Coord. ☐ Large Fab ☐ Finishing ☐ Rec/Store/Packaging ☐						Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐										
Date :	Sequence #:		QTY Affected :		MRB (QSI042)															
Description Work Order Deviation					Disposition															
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐					FAULT CATEGORY															
					Pressure/Forced Bending Crushing Cracks Crimp/Kink/Ripple/Wave/Twist Marks/Chatter Mislabeled				Contamination Misaligned/off center BOM/Route Broken/Damage/Defect Incomplete/Unclear Instructions Drill Holes Fit/Function				Power Loss/Surge Folio/Program Grain Direction Weld Wrong Stock Pulled Out of Sequence Off-set/Set-up				Positioned Wrong Outside Tolerance Drawing Finish Part Lost/Missing Misread			
					Other/Details:															
					Completed By															
					Lead hand / Supervisor															
					QC / QA Coordinator															



Dart Aerospace Ltd.

1270 Aberdeen St

Hawkesbury, ON

K6A 1K7

Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045300



Supplier:

ATG001-VC

A.T.G. Industries Inc

760 INDUSTRIELLE STREET

ROCKLAND

ON

K4K 1T2 Canada

Phone: 613-446-4544

Fax: 613-446-4556

Attention:

Lalande, Marc-Andre

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada

Phone: 613-632-5200

PO No:

POHB045300

PO Date:

12/4/19

Due Date:

12/20/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact:

Guerin, Kimberley

Phone: 613-632-5200 Ext: 298

kguerin@dartaero.com

Via:

Ground

Pymt Terms:

Net 60

Freight Terms:

Special Comments:

Items												
Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	202812	RBW109-3501-04-3-1	RBW109-3501-04-3 Rev A	Pin (Outsource process- Anodize per QSI017 4.1.10.1) -Issue P/O -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Received	-	12/13/19	4 pcs	4 pcs	0 pcs	\$32.87/pcs	\$0.00
Line Item Note **NEED BY 13th**												
2	202493-A	647.1715	647.1700 Rev E	Plate : Various STC's (Outsource process- Anodize per QSI017 4.1.10.1) Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.1700 Rev. E	Firmed	-	12/19/19	4 pcs	0 pcs	4 pcs	\$31.87/pcs	\$127.48
Line Item Note **NEED BY DEC 13**												
	202493				Firmed	-	12/23/19	16 pcs	0 pcs	16 pcs	\$31.87/pcs	\$509.92
Sub Total:								20	0	20		\$637.40



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PURCHASE ORDER
POHB045300



Items												
Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	203260	647.1510	647.1500 Rev E	Upper Deflector : Various STC's Outsource process- Anodize per QSI017 4.1.10.1) - Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.1500	Received	-	12/16/19	4 pcs	4 pcs	0 pcs	\$22.27/pcs	\$0.00
Line Item Note: **NEED BY DEC 16**												
4	202881	647.3917	647.3900 Rev C2	Doubler : Various STC's Issue P/O to ATG : HARD ANODIZE, COLOR BLACK, AND PRIME AS PER DWG 647.3900 REV. C	Received	-	12/16/19	14 pcs	14 pcs	0 pcs	\$8.22/pcs	\$0.00
Line Item Note: **NEED BY DEC 16**												
5	202688	647.7812	647.7800 Rev A	Center Plate, Upper : Various STC's Issue P/O to ATG : Hard Black Anodize and Prime Dwg 647.7800 Rev. A	Received	-	12/20/19	15 pcs	15 pcs	0 pcs	\$10.37/pcs	\$0.00



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PURCHASE ORDER
POHB045300



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	203275	646.3812	646.3800 Rev A	Gusset Bracket : Various STC's Issue P/O to ATG: AS PER MPP- 172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A- 8625 TYPE 3 CLASS 2 AS PER MPP- 172 SECTION 4.3, PRIME CARDINAL 7760-4702 LOW VOC EPOXY PRIMER (LIGHT GRAY) Certification of Conformity is required	Firmed	-	12/20/19	20 pcs	0 pcs	20 pcs	\$7.72/pcs	\$154.40

Grand Total: \$791.80

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/19/19 2:44 PM Dart.Guerin.Kimberley



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 919285

Date: 19-Dec-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Kimberley Guerin
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via
		ATG Delivery
Quantity	Description	
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.	
4 ea	Part: 647.1715 Plate Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot# <u>S195271</u> Expiry Date: <u>10/31/20</u> Job: 26561 Line: 2 PO: POHB045300	Rev: E
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>DEC 19 2019</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt. RECEIVED DEC 19 2019 DART AEROSPACE LTD. Made in Canada.		